Rotationalism: A Kinetic Technique for Perceptual Reframing and Neurocognitive Enhancement.

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www.chanceodekirk.com/newbuild software version v.1.4

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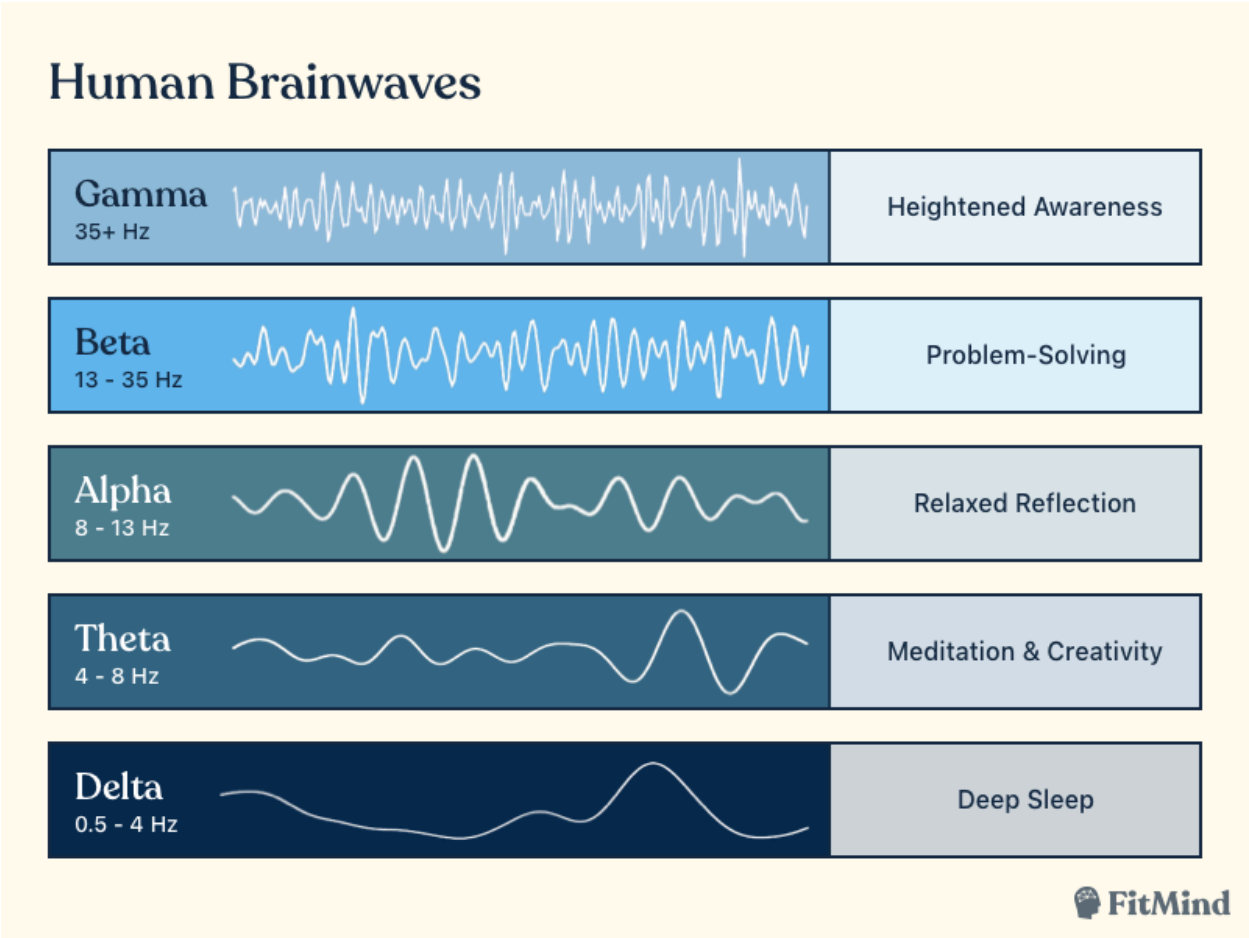
Abstract

Rotationalism, by Chance Odekirk in 2004–2005, employs motorized circular canvases rotating at speeds ranging from 0.2 to 300 revolutions per minute (RPM)—extendable to 3,000 RPM in digital interfaces—to disrupt static visual paradigms. Empirical observations from the Psychotronic Psychic Tour (March 2010) indicated that 95% of viewers experienced shifts toward Theta (4–8 Hz) and Delta (0.5–4 Hz) brainwave states, accompanied by increased bilateral hemispheric synchronization, cohesion between the two hemispheres. This facilitates access to meditative-like states without requiring isolation or prolonged practice. This white paper details the methodology, presents supporting data, validates potential cognitive benefits, and positions Rotationalism as a tool for enhancing imaginative and perceptual capacities in contemporary contexts. Supporting graphics and data are presented in the appendix. (Note: Original EEG graphs available upon request for collaboration or verification.)

1. Problem Statement

Human perceptual processing is heavily conditioned by horizon-aligned rectangular frames, emphasizing binary orientations (up-down, left-right). This framework constrains multidimensional interpretation and reinforces rigid pattern recognition. Static artworks exacerbate this limitation by encouraging fixed narratives and hyper critic-imposed interpretations, contributing to diminished creative flexibility in environments dominated by algorithmic content curation and echo chambers.

See Basic Brainwave Chart below.

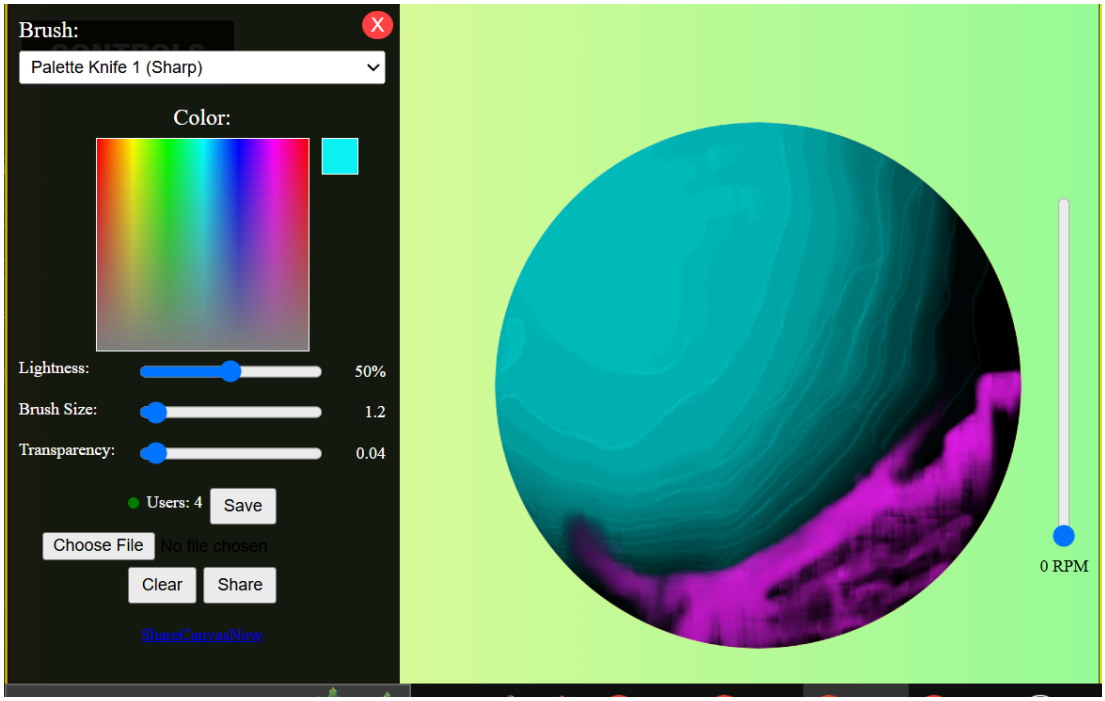


fitmind.org

neurofeedbackpittsburgh.com

2. Solution Overview

Rotationalism substitutes rectangular formats with circular canvases and introduces continuous motion to replace stasis. Subtle rotation exposes all 360-degree perspectives sequentially, compelling neural recalibration as forms appear to evolve. Optimal effects occur at 2–10 RPM, where perceptual shifts occur without conscious detection of change. The absence of edges maintains circular continuity. Digital implementations enable higher speeds (up to 3,000 RPM) and real-time collaborative modifications via SpectralCollider software developed by Chance Odekirk.



3. Methodology

Development commenced in 2004 when C. Odekirk transitioned from representational painting, manually rotating canvases to reveal emergent forms. This evolved into motorized circular frames, with RPM ranges tested from 0.2 (slow, atmospheric) to over 200. The Psychotronic

Psychic Tour by Chance Odekirk was (four events, 2010) utilized Interactive Brainwave Visual Analyzer (IBVA) systems—invented by Masahiro Kahata and notably employed in collaborations such as Mariko Mori's Wave UFO (1999–2002) and more recent. Chance and Masahiro used an I.B.V.A—to record electroencephalographic (EEG) data from participants. Protocols involved controlled comparisons: static versus rotating exposures in 15-20-minute sessions at Gallery Exhibitions and painting workshops.

artforum.com

publicartfund.org

4. Data and Results

EEG recordings revealed baseline dominance of mixed brainwaves from mostly Beta-Alpha at baseline (8–12 Hz), shifting post-exposure to increased theta and delta activity bilaterally. Hemispheric coherence reached statistical significance at approximately 10 minutes ($p < 0.05$, $n \approx 60$ participants). Qualitative reports described altered perceptual states akin to effortless meditation, achievable in group settings without sensory deprivation.

Example works by Chance Odekirk. (interchangeable canvases- discs)

5. Implications

Rotationalism functions as a perceptual exercise, strengthening imaginative flexibility analogous to muscular training. Beyond artistic applications, it holds potential in therapeutic contexts, particularly for facilitating access to calm states in neurodiverse populations. Started In 2018-Present, interactive digital Software Spectral Collider enables global democratization, allowing shared canvas manipulation and broader accessibility and collaboration in real time worldwide.

6. Conclusion

Originating in the early 2000s, Rotationalism represents a systematic protocol integrating kinetic art with neurocognitive principles. Supported by observational data and aligned with advancements in brainwave interface technologies (e.g., IBVA systems.) It offers a scalable method for perceptual enhancement. Integration into educational curricula, gallery

programming, and research laboratories is recommended. Inquiries for original data scans or collaborative opportunities are welcomed. This White Paper is a living document regularly refined as technologies and visual intelligence advance.

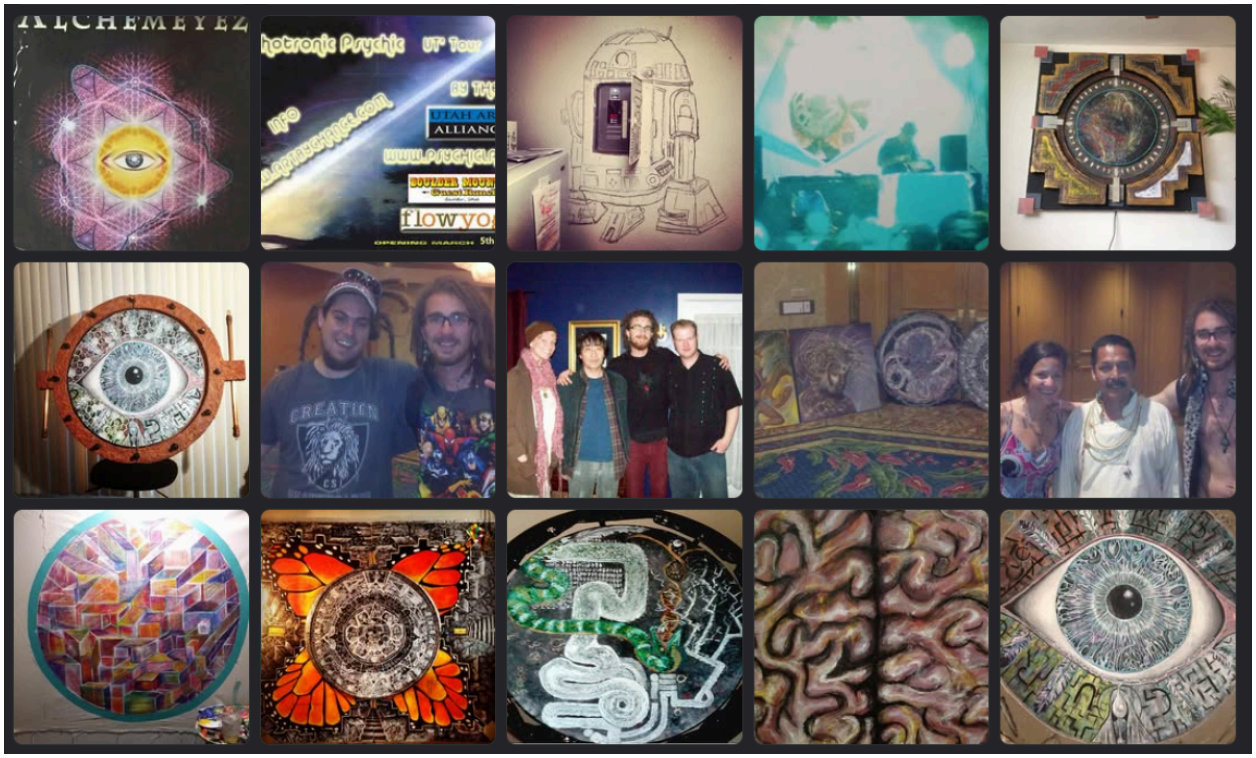
References

- Kahata, M. (Ongoing developments). Interactive Brainwave Visual Analyzer (IBVA). Psychic Lab Inc.
- Mori, M. (1999–2002). Wave UFO. Brainwave interface installation.
- Additional info,sources for art-software-installations-products- and neurofeedback available upon request. Email: **spectral.collider@gmail.com**

(This document was structured with assistance from Grok, built by xAI.)

Appendix: Images Data

Data EEG is Before and After. To explain the first set of screenshot data, this shows a user looking and observinging stationary art. Brainwaves analysis shows a lot of brainwave activity in the beta and higher frequencies Gamma. The next EEG image shows much calmer brainwaves and cohesion with primarily Theta and Delta brainwaves. Each slide has four screenshots at different time durations during brainwave live scanning. NOTE. Data Images will be updated with new original photos. Once the original CD- DATA is transferred to a new format.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I DON'T DO DRUGS. I AM DRUGS.
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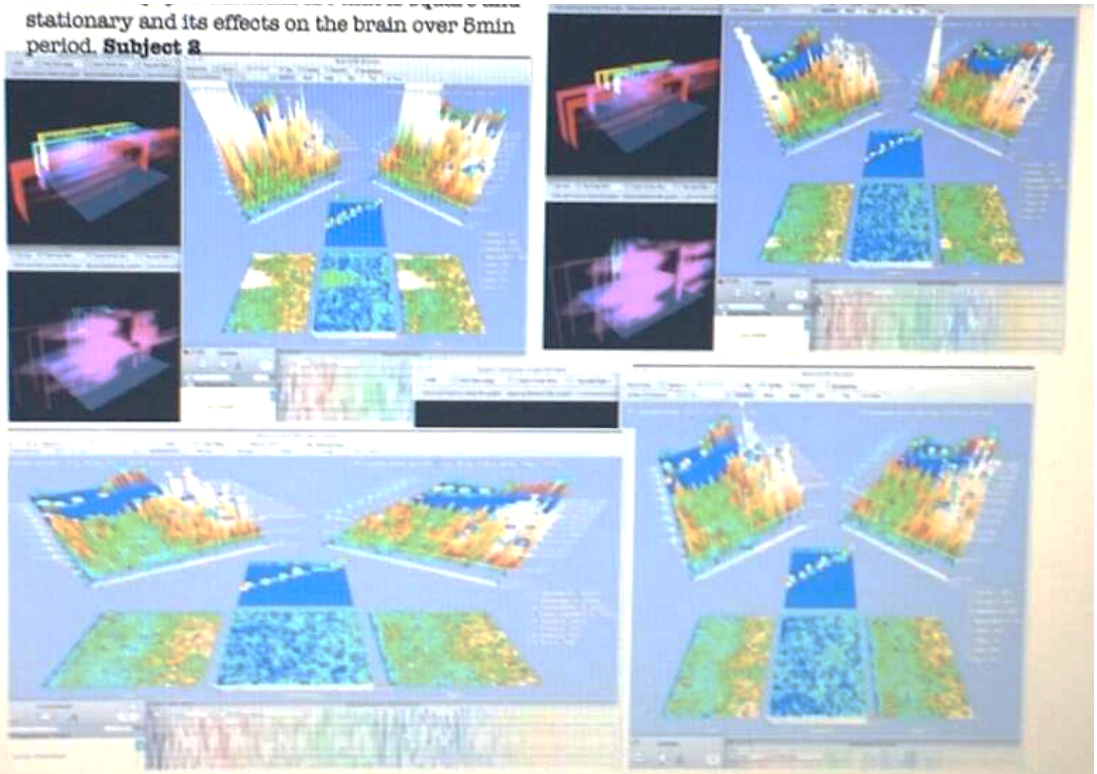
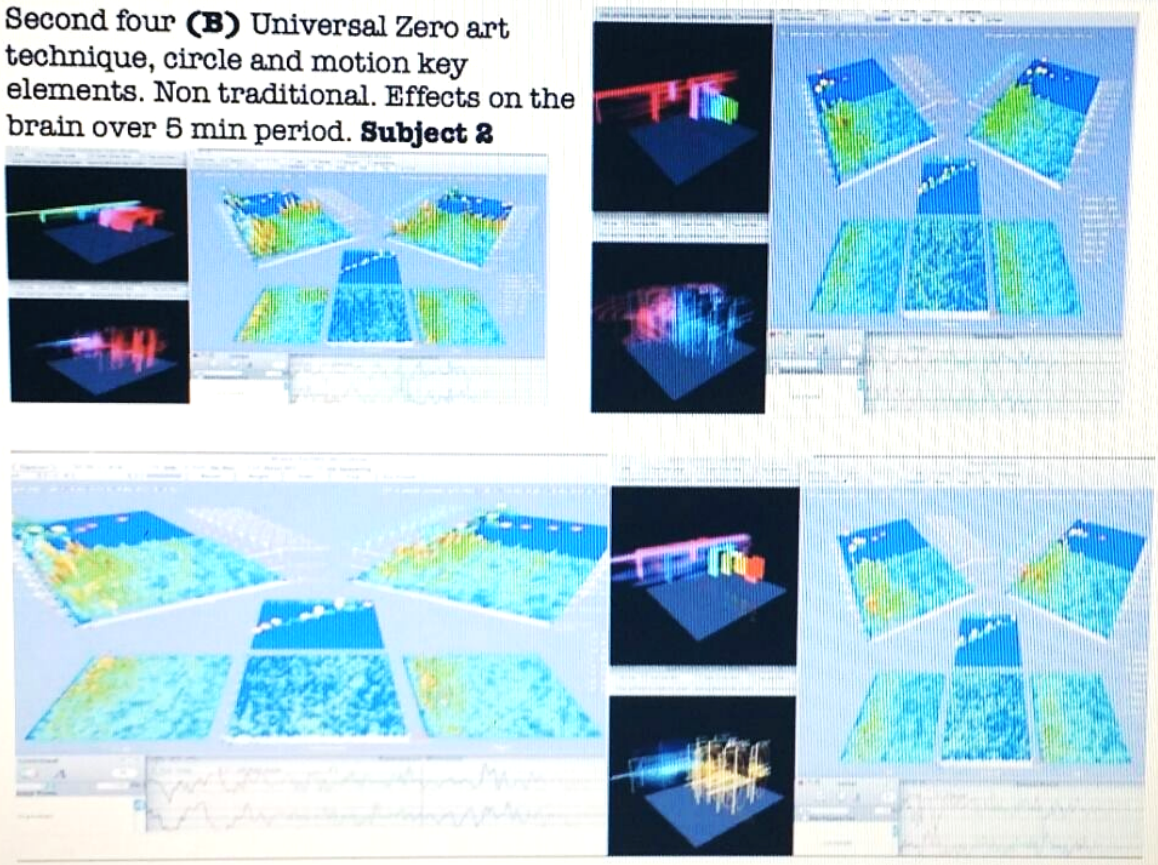
stationary and its effects on the brain over 5min period. **Subject 2**



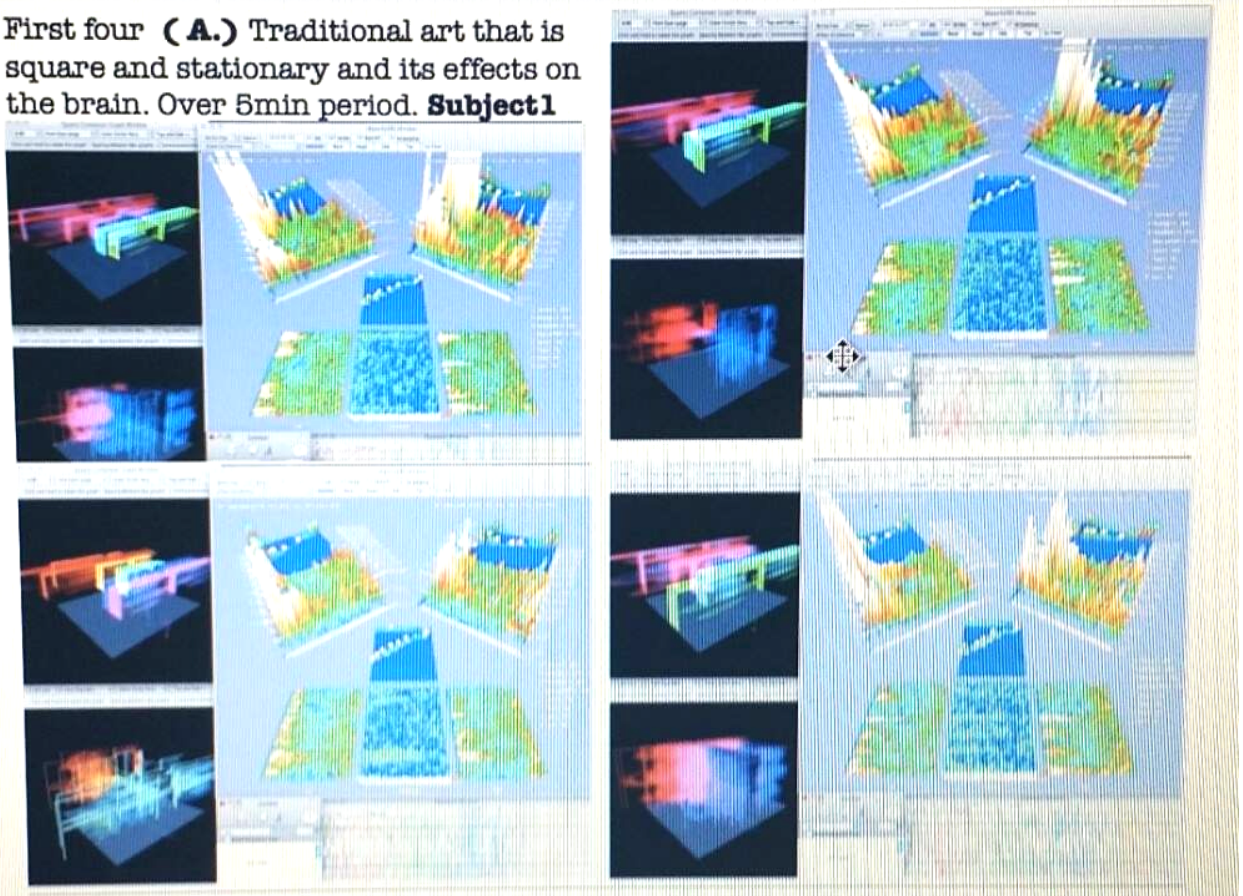
Below is an IBVA screenshot image of the brainwave activity of participant 2 when viewing my Universal Zero | artwork over the course of 5 minutes

Second four **(B)** Universal Zero art technique, circle and motion key elements. Non traditional. Effects on the brain over 5 min period. **Subject 2**



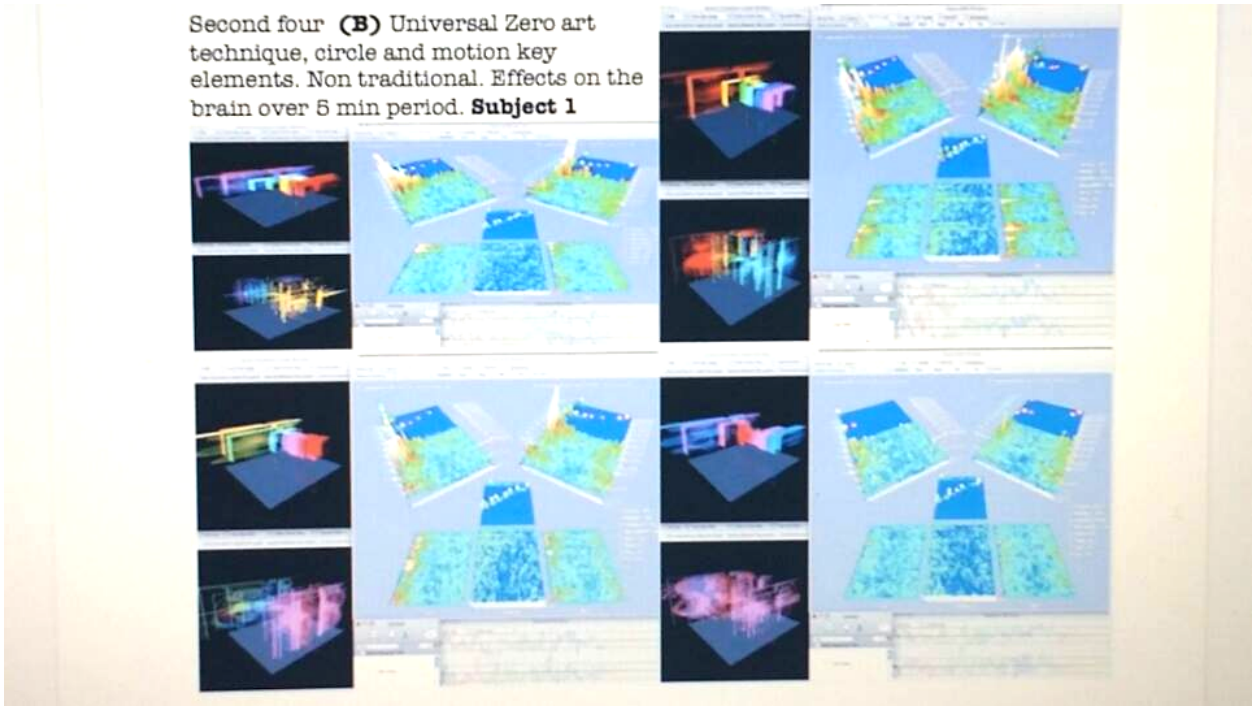
These two participants represent just a sampling of our total of 60 participants. Out of the 60 participants a total of 58 showed the same type of remarkable shift in brainwave activity when viewing Universal Zero rotating artwork, as opposed to non spinning art work.

First four **(A.)** Traditional art that is square and stationary and its effects on the brain. Over 5min period. **Subject1**



Below is an IBVA image of the brainwave activity of participant 1 when viewing my Universal Zero artwork over the course of 5 minutes.

Second four **(B)** Universal Zero art technique, circle and motion key elements. Non traditional. Effects on the brain over 5 min period. **Subject 1**



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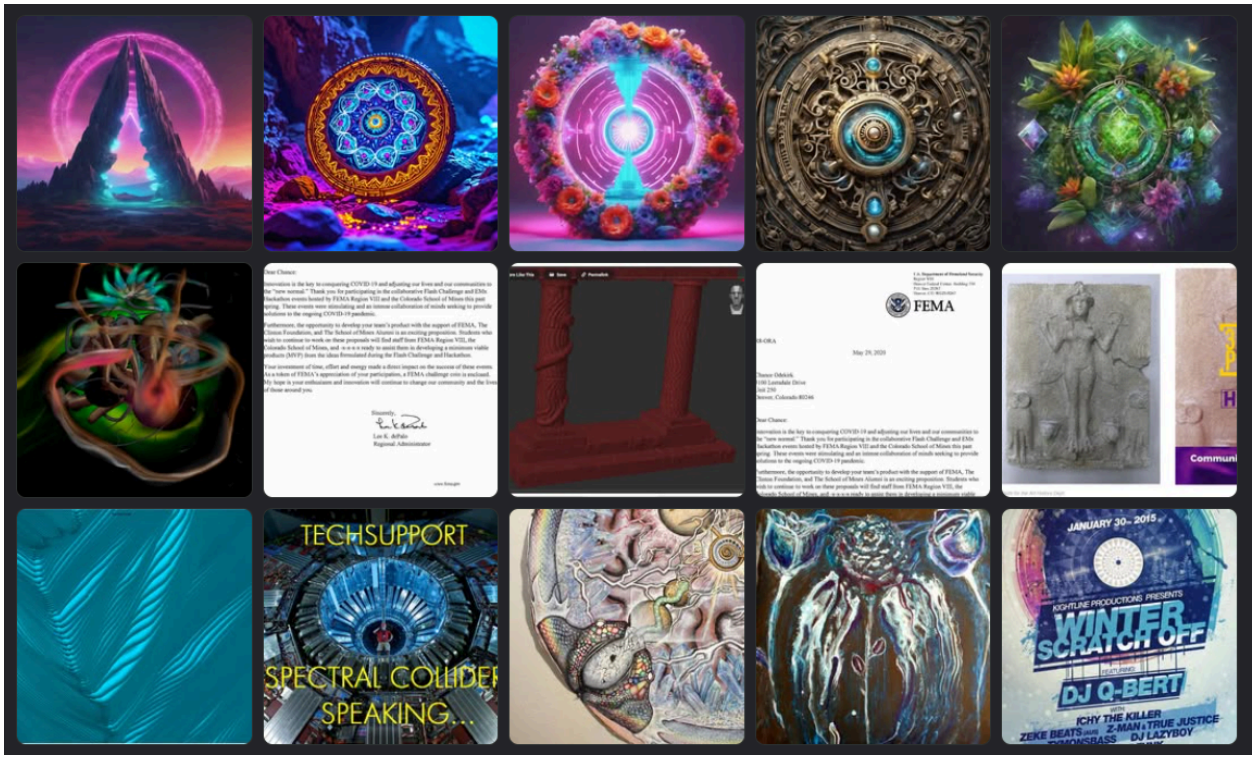
STAFF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